

## MATERIAL SAFETY DATASHEET

### SECTION 1: Chemical Product & Company Information

1. NAME: VALVE REGULATED SEALED LEAD ACID BATTERY
2. MANUFACTURER'S NAME: SHANDONG SACRED SUN POWER SOURCES CO.,LTD
3. STREET ADDRESS: NO.1 SHENGYANG ROAD
4. CITY, STATE,ZIP: QUFU CITY SHANDONG PROVINCE 273100 CHINA  
PHONE NUMBER: +86-537-4438666-6073
5. VERSION: 13.0
6. Effective Date: 2023-1-1, Date of expiry: 2023-12-31

### SECTION 2: Composition/Information on Ingredients

COMPONENTS(Hazardous Components 1% or greater Carcinogens 0.01 % or greater)	PERCENT OSHA	PEL	ACGIHTLV	OTHER LIMITS	CAS NUMBER
METALLIC METALALLOY	31.2%	0.05mg/m3	0.05mg/m3	NONE	7439-92-1
LEAD SULFATES	21.2%	0.05mg/m3	0.05mg/m3	NONE	7439-92-1
H2SO4	8.3%	1.1-1.2//m3	1.1-1.2//m3	NOEE	7664-93-9
LEAD OXIDES	21.0%	0.05mg/m3	0.05mg/m3	NONE	1309-60-0
POLYPROPYLENE CASEMTL	6.4%	/	/	NONE	9002-84-0
SEPARATORS	3.5%	/	/	NONE	65997-17-3
OTHERS(VENTPLUG/TERMINAL)	8.4%	/	/	NONE	7440-50-8

### SECTION 3: Hazards Identification

Flash Point: Not Combustible NFPA WARNING: 1

Auto Ignition Temperature N/A Flammability Limits in Air % by Volume: N/A

Extinguishing Media: Dry Chemical Carbon Dioxide, Water Fog, Water

### SECTION 4: First Aid Measures

Leaving patients from pollute area, washing wither contacted with eyes or skin, then hospitalize

### SECTION 5: Fire Fighting Measures

Put or fire with dry sands, CO 2

TO avoid risk of fire or explosion, keep sparks or other sources of ignition away from batteries .Do not allow metallic materials to simultaneously contact negative and positive terminals of cells and batteries. Follow manufacturer's instructions for installation and service

### SECTION 6: Accidental Release Measures

Putting on safeguard while manage, collect leaks in airtight container

### SECTION 7: Handling and Storage

Storing in cool, dry, ventilated house



# SHANDONG SACRED SUN POWER SOURCES CO., LTD



## SECTION 8: Exposure Controls/Personal Protection

Respiratory Protection: Sulfuric Acid Mist-Mask with filter approved for acid mist.

Ventilation: Local exhaust: Room air change four times per hour.

Protective Gloves: Rubber

Eye Protection: Goggles, Face Shield

Other Protective Equipment: Rubber Apron, Work Hygienic Practices: Wash thoroughly after handling

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Components	Density Point	Melting	Solubility (in H <sub>2</sub> O)	Odor	Appearance
Lead	11.34	327.4°C	None	None	Silver-Gray Metal
Lead Sulfate	6.2	1170°C	40 mg/l (15°C)	None	White Powder
Lead Dioxide	9.4	290°C	None	None	Brown Powder
Fiberglass Separator	N/A		N/A	Slight Toxic White Fibrous	Glass Membrane
Container (ABS or PP)	N/A		N/A	NONE No Odor	Solid Plastics

## SECTION 10: STABILITY AND REACTIVITY

Stability: STABLE

CONDITIONS TO AVOID: Charging and over-charging without proper ventilation.

Incompatibility: AVOID COMBUSTIBLES, ORGANIC MATERIALS, AND STRONG REDUCING AGENTS.

## SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH HAZARDS - Acute: Eyes, Skin, Respiratory System & Digestive System

Chronic: Eyes, Skin, Respiratory System & Digestive System

Signs and Symptoms of Exposure: Irritation of Exposed Area, Burns, and Respiratory Problems

No possibility of over exposure of lead will occur unless battery is destroyed.

MEDICAL CONDITIONS GENERALLY:

Aggravated by Exposure: Exposure to mist may cause lung damage & aggravate pulmonary conditions.

## SECTION 12: ECOLOGICAL INFORMATION

All care should be taken to protect the environment from any adverse impact by stationary batteries or from the batteries ingredients.

## SECTION 13: DISPOSAL CONSIDERATIONS

Valve regulated sealed lead acid battery are restricted land disposal objects. All spent batteries should be properly.

Recycled to a permitted Secondary Lead Smelter. All battery parts should be properly recycled.

No whole spent battery should be land-filled or placed in house hold garbage.



#### **SECTION 14: TRANSPORT INFORMATION**

Shipping name: Valve Regulated Sealed Lead Acid Battery CAS NO: 7439-92-1

SEA TRANSPORTATION: This product is not dangerous product subject to IMDG CODE

SP-238(Special Provision 238), its package and transport conforms to the requirement of sea transport. The product has been undergone the testings including Vibration test, Pressure differential test and Leakage test at 55℃ according to the SP-238 all the test resulted are passed.

Emergencycontact person: Gucci, Emergencycontact phone: 086-537-4438666-6073

AIR TRANSPORTATION: This product meet the requirements of IATA A67 subject to AITA DGR.

The product has been undergone the testings including Vibration test, Pressure differential test and Leakage test at 55℃ according to the SP-238 all the test resulted are passed.

ROAD TRANSPORTATION: This product is not dangerous product subject to JT/T617-2018. Part 2 and 3.

SP-238(Special Provision 238), its package and transport conforms to the requirement of road transport. The product has been undergone the testings including Vibration test, Pressure differential test and Leakage test at 55℃ according to the SP-238 all the test resulted are passed.

RAILWAY TRANSPORTATION: This product is not dangerous product subject to 《Regulations for the Administration of transport of Dangerous Goods by Railway》 & 《List of railway dangerous Goods》 ( 2009 )

( GB12268-2012 ) SP-238(Special Provision 238), its package and transport conforms to the requirement of railway transport. The product has been undergone the testings including Vibration test, Pressure differential test and Leakage test at 55℃ according to the SP-238 all the test resulted are passed.

Emergencycontact person: Gucci, Emergencycontact phone: 086-537-4438666-6073

#### **SECTION 15: REGULATORY INFORMATION**

REGULATORY INFORMATION: Those ingredients in stationary sealed batteries listed above are not subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Re-authorization Act, if the sealed batteries are in storage and have no potential to leak.

#### **SECTION 16: Other Information**

SPS Batteries having met the related conditions are EXEMPT from hazardous goods regulations for the purpose of transportation by DOT, and IATA/ICAO, and therefore are unrestricted for transportation by any means. For all modes of transportation, each battery outer package is labeled "NON-SPILLABLE".

